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MISSION 1014-1, 18-23 NOVEMBER 1964

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## OAK MISSION 1014-1

Declass Review by  
NIMA/DOD

### PREFACE

THIS IS THE FIRST AND ONLY OAK REPORT ON MISSION 1014-1 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 1014-1 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUD COVER), SC (SCATTERED CLOUD COVER), SD (SEMI DARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERAL DATA, CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

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## Highlights

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## HIGHLIGHTS

1. YURYA ICBM COMPLEX

LAUNCH AREA K, A TYPE IIIA SITE, IS NOW COMPLETE.

2. TYURATAM MISSILE TEST CENTER

AT LAUNCH COMPLEX E A NEW RAIL SPUR IS OBSERVED TERMINATING NEAR THE ENTRANCE TO THE SECURED AREA. LAUNCH AREAS G3-G4 AND G5-G6 ARE NOW COMPLETE.

3. SVOBODNYI ICBM COMPLEX

LAUNCH AREA G, A TYPE IIIA SITE, IS NOW COMPLETE.

4. SARY-SHAGAN ANTIMISSILE TEST CENTER

AT SITE 13, CONSTRUCTION OF A FOURTH DUAL HEN HOUSE-TYPE STRUCTURE IS OBSERVED JUST NNW OF AREA C. A NEW LINEAR SCAR IS NOTED WNW OF AREA C. IN AREA A, BOTH ANTENNA FACES ARE BLACK BUT THE ROOF PITCH OF THE TWO STRUCTURES DIFFERS.

5. BOLSHAYA KAMENKA IRBM LAUNCH SITE

THE LAUNCH AREA APPEARS TO HAVE BEEN ABANDONED.

6. KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER

AN EXERCISE IS UNDERWAY AT LAUNCH AREA 1C ON THE NORTHWESTERNMOST OF THE TWO RECENTLY-ADDED RAIL-SERVED PADS.

7. SHUANG-CHENG-TZU MISSILE TEST CENTER

THE CENTER IS COVERED BY CLEAR PHOTOGRAPHY EXCEPT FOR THE AIRFIELD, THE L INSTRUMENTATION PATTERN AND THE TERMINUS OF THE RAIL LINE INTO THE DESERT WHICH ARE CLOUD COVERED. THE ONLY ACTIVITY OBSERVED IS AT SAM LAUNCH SITE A WHERE AN UNDETERMINED NUMBER OF VEHICLES/EQUIPMENT ARE IN THE CENTRAL GUIDANCE AREA AND IN THE HOLD REVETMENT.

8. TALLINN AMM/SAM LAUNCH COMPLEX

THE COMPLEX IS OBSCURED BY SCATTERED TO HEAVY CLOUDS, HAZE AND SEMI-DARKNESS.

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10. TASHKENT AIRCRAFT ASSEMBLY PLANT CHKALOV 84B (AIRCRAFT BONUS)

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THREE NEW BUILDINGS, ONE A 500-X 400-FOOT ASSEMBLY BUILDING AND BUILT [REDACTED] ARE BEING CONSTRUCTED OVER THE JUNCTION OF THE OLD RUNWAY AND TAXIWAY AT THE SW END OF TASHKENT AIRFIELD.

STATUS OF COMOR TARGET READOUT

EIGHTY TARGETS WERE OBSERVED IN THE OAK REPORTING PERIOD AND ARE LISTED IN THE INDEX AT THE CONCLUSION OF THIS REPORT.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

TABLE 1 -- SOVIET ICBM DEPLOYMENT  
TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT  
TABLE 3 -- SAM AND AMM DEPLOYMENT  
TABLE 4 -- NUCLEAR ENERGY ACTIVITY  
TABLE 5 -- AIRCRAFT ACTIVITY  
TABLE 6 -- SUBMARINE ACTIVITY  
TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

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Table 1. Soviet ICBM Deployment

Complex	Launch Area														Total Soft Sites	Total Hard Sites	Total Launch Positions
	A	B	C	D	E	F	G	H	I	J	K	L	M	N			
Aloyok	M	M	M	M	M	M										6	6
Donbarovskiy	M	M	M	M	E											5	5
Droynaya	C	C	C	C	C	C										3	3
Gladkaya	C	C		M	E											2	2
Imeni Gostello	M	M	M	M	M												5
Itaka	C	C	C													3	
Kartaly	E	M	E													3 (1†)	3 (1†)
Kontroma	C	C	C	C	C	C	C	M								6	2
Kozelsk	C	C		C	C	C										3	2
Novosibirsk	C	C	L	C	C											3	2
Olovyannaya	C	L	L	M**													9
Omsk	C															1	3
Perm	C	C	C	C	C	L										5	1
Plesetsk*	C	C	C	C	C	C	E	E								*10***	1
Shadrinsk	C	C	L														3
Svobodnyy	C	C	C	C	C	C	C	C								7	1
Teykovo	C	C	C	C	C	C										6	
Tyumen	C		C													2	
Uzhor	M	M	M	M	M	M											6
Verkhnyaya Salda	C	C	C	C	C	C	C	C	C							7	2
Vedrovo	C	C	C	C	C	C	C		C							6	2
Yonkhar-Ola	C	C	C	C	C	C										6	
Yurya	C	C	C	C	C	C	C	C	C	C	C					8	3
Zhangiz Tobo	M	M	M	M	M												5
									</								

\*Includes Launch Points I-V, complete \*\*Carried as Launch Group \*\*\*Total does not include two SSM pads at Launch Area F  
 †Includes 44 single silos (8-Aloyok, 5-Donbarovskiy, 5-Imeni Gostello, 3-Kartaly, 6-Olovyannaya, 8-Tyuratam MTC, 6-Uzhor, 5-Zhangiz-Tobo)  
 ‡ Possible

⊙ Newly identified  
 ⊙ Covered by current mission

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Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	121	11	18	11	161	633
Caucasus	3		2	3	8	29
Central Asia	2	4	1	4	11	40
Far Eastern	11	1		2	14	54
Totals	137	16	21	20	194	756

Totals do not include 69 fixed field-type sites with total of 251 clearings and one launch facility at Sovetskaya Gavan.

Table 3. SAM and AMM Deployment

					Country													
					USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	Yugoslavia	China	North Korea	Indonesia	Egypt	Cuba	India
SA-0	} SAM sites	13																
SA-1		56																
SA-2		971*	1	19	22	16	30	18	3	12	2	4	13*	24**	1			
SA-3		106					1											
SAM support facilities		169	1	4	5	3	6	2	1		1		3	6				
Probable AMM complexes		3																
AMM/SAM complexes		2***																

\*Does not include 8 alternate sites. (4 in USSR; 4 in Egypt)

\*\*\*Includes 1 suspect complex.

\*\*Does not include 22 abandoned sites.

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Table 6. AIRCRAFT ACTIVITY

		Previous Significant Aircraft Count													Observed this Mission												
Airfield	BYON	BEAR	BADGER	BLUNDER	BOUNDER	MADLINE	MULLOW	FUDLER	FITTER	FEMBED	FEMBOT	FEMTAN	TOTALS	BYON	BEAR	BADGER	BLUNDER	BOUNDER	MADLINE	MULLOW	FUDLER	FITTER	FEMBED	FEMBOT	FEMTAN	TOTALS	
Akhutinsk-Vladimirovka	10 B/B	22	5										39													44	
Alekseyevka	8	11	12										31			432	17										
Anisovo Gorodishche			35										35														
Arkhangelsk-Kholm*													0													80	
Artem North			45										45			80											
Baranovich*			24	51									29														
Belaya			57										57														
Belaya Tserkov	6		63										69														
Bobruysk*			55										55														
Bortys NW			5										5														
Bykhov*			56										56			377										37	
Chepelivka*	39												39														
Chernovo-Glinskoye			10										10														
Dolon*	21 B/B	251											272			84	85	11								86	
Engels*	32	2											34	25													
Gomel Priyutki			9	86									95														
Kalinin*			52										52														
Kaliningrad Provoren			10	37									47														
Karazkut			273										273														
Kazan A/C Pit 22			7	23									30														
Khorol East			77										77														
Mal Yavr			62										62														
Melitopol			37										37														
Minsk-Machulishche*			6										6														
Mirgorod			34										34														
Moscow Ramenskoye	6	5	16**	5					21				38														
Mordok*													0														
Nezhin			23										23														
Nikolayev Kalbakino			51										51														
Oktabrskoye													0														
Olenegorsk			10										10														
Orsha Southwest*			35										35														
Ostrov Gorokhovka			26										26														
Petrovskoye Yelizovo													0														
Poltava*			34										34			61										61	
Priluki*			27										27														
Romanovka West			20										20														
Ryazan Dyagilevo			52										52														
Saki			17										17														
Sarabuz			22	5									27														
Severomorsk			16										16														
Sizauli*			2										2														
Soltsy*			221 B/B										221														
Spasak Dainiy East			27										27														
Sury*			23										23			21										24	
Tartu			20										20														
Turk*			261										261														
Ukraine*			38 B/B	31									69			42 B/B										43	
Usuriysk Vordvishenka*			56										56														
Zhitomir-Skonozhki*			2										2														
TOTALS	38	66	1050	139	1			3	4	2			1389	35		197										214	
	66 B/B												42 B/B														

† POSSIBLE    ‡ PROBABLE    \*\*BADGER/CAMEL    \*\*\*PLUS 4 BADGER/CAMEL/COOKPOT    B/C BEAR/CLEAT

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Table 6. Submarine Activity.

Base	Previous Submarine Count										Observed this Mission									
	SSBY, Red-class	SSBY, Black-class	SSBY, Green-class	SSBY, Blue-class	SSBY, Yellow-class	SSBY, Purple-class	SSBY, Orange-class	SSBY, Brown-class	SSBY, Grey-class	SSBY, White-class	SSBY, Black-class	SSBY, Black-class	SSBY, Black-class	SSBY, Black-class	SSBY, Black-class	SSBY, Black-class	SSBY, Black-class	SSBY, Black-class	SSBY, Black-class	SSBY, Black-class
Balakhava																				
Dunay																				
Gorkiy																				
Kronshadt																				
Komsomolsk	11																			
Leningrad																				
Lirpaya																				
Litva Bay																				
Magadan																				
Olenya Guba																				
Pechenga																				
Petropavlovsk/ Kamchatskiy	21																			
Petrovka	31																			
Polyarnyy																				
Riga																				
Rosta	51																			
Sayda Guba																				
Sevastopol																				
Severodvinsk																				
Severomorsk	11																			
Sovetskaya Gavan																				
Strelak Strait	21																			
Tallinn																				
Uta Guba																				
Vladimir																				
Vladivostok																				
Yokanga																				
TOTALS	6	8	1	1	9	F/Z	13	68	1	104										

\*E-1 Class † POSSIBLE ‡ PROBABLE

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## Missiles



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MISSILES

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PLESETSK ICBM COMPLEX UR 6256N 04039E

IDENTIFICATION ONLY.

SEMI-DARKNESS PRECLUDES INTERPRETATION.

YURYA ICBM COMPLEX UR 5903N 04919E

THE ENTIRE COMPLEX IS COVERED BY GOOD QUALITY  
STEREO PHOTOGRAPHY.

NO SIGNIFICANT CHANGES OBSERVED

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AT THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD  
TRANSFER POINT

OR  
LAUNCH AREAS A (SITE 2), B (SITE 1), C (SITE 3),  
D (SITE 4), E (SITE 5), F (SITE 7), G (SITE 6),  
H (SITE 8), I (SITE 11) AND J (SITE 9).

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LAUNCH AREA K (SITE 10), A TYPE IIIA SITE, IS  
NOW COMPLETE. THERE ARE 2 MISSILE-READY BUILDINGS  
AT ONE END OF THE LOOP ROAD

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NO ABM ACTIVITY OBSERVED WITHIN THE 50-NM RADIUS  
SEARCH AREA.

TYURATAM MISSILE TEST CENTER UR 4550N 06318E

THE CENTER IS COVERED BY FAIR QUALITY, SMALL-SCALE,  
OBLIQUE PHOTOGRAPHY. ALL ELEMENTS OF THE RANGEHEAD  
EAST OF COMPLEX J ARE CLOUD COVERED. COMPLEXES A  
(SITES 1 AND 15), B (SITES 2, 16, AND 17), C  
(SITE 3), D (SITES 4 AND 9), H (SITE 8), AND THE  
NUCLEAR STORAGE FACILITY ARE CLOUD COVERED.

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NO MISSILE OPERATIONS IDENTIFIED AT ANY LAUNCH COMPLEX.

LAUNCH COMPLEX E (SITE 6) -- NO APPARENT CHANGE IN FACILITIES

A NEW DEAD-END RAIL SPUR HAS BEEN CONSTRUCTED FROM THE RAIL LINE WEST OF THE COMPLEX TO A POINT SOUTH OF THE SECURED AREA NEAR THE ACCESS ROAD.

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LAUNCH COMPLEX E (SITE 5) -- THE RAMP-LIKE EXCAVATION REPORTED HAS BEEN BACKFILLED. NO OTHER APPARENT CHANGE SINCE THAT TIME.

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LAUNCH COMPLEX G -- LAUNCH AREA G1-G2 (SITE 7) -- NO APPARENT CHANGE IN FACILITIES

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LAUNCH AREA G3-G4 (SITE 11) -- BOTH SIDES OF THE LAUNCH AREA AND THE ASSOCIATED ELECTRONIC FACILITY APPEAR TO BE COMPLETE.

LAUNCH AREA G5-G6 (SITE 12) -- THE LAUNCH AREA APPEARS TO BE COMPLETE.

LAUNCH AREA G7 (SITE 18) -- THE SQUARE SILO STRUCTURE HAS BEEN BROUGHT UP FROM THE BOTTOM OF THE EXCAVATION, BUT IT IS NOT YET UP TO GROUND LEVEL. CONSTRUCTION CONTINUES ON THE L-SHAPED ELECTRONIC FACILITY, BUT IT HAS NOT YET BEEN BACKFILLED.

LAUNCH AREA G8-G9 (SITE 19) -- AT EACH SILO A HARDSTAND HAS BEEN CONSTRUCTED CONTIGUOUS TO THE LOOP ROAD AND ON THE SOUTH SIDE OF THE SILOS.

COMPLEX SUPPORT FACILITY -- NO APPARENT CHANGE

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REVETTED STORAGE AREA -- NO SIGNIFICANT CHANGE

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LAUNCH COMPLEX I (SITE 14) -- THE COMPLEX IS COVERED

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BY NON-STEREO PHOTOGRAPHY AND IS IDENTIFICATION ONLY DUE TO CLOUDS.

COMPLEX J -- CONSTRUCTION CONTINUES ON THE MASSIVE BUILDING. APPROXIMATELY ONE-THIRD OF THE ROOF HAS BEEN INSTALLED. THE LARGE EXCAVATION IS CLOUD COVERED. NO SIGNIFICANT CHANGE IN THE SUPPORT FACILITIES

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LAUNCH COMPLEX K (SITE 13) -- A RECTANGULAR HARDSTAND/SERVICE APRON HAS BEEN CONSTRUCTED ON THE NORTH SIDE OF K1. A SIMILAR CONSTRUCTION APPEARS TO BE IN PROGRESS AT K2. FOUR UNIDENTIFIED OBJECTS ARE LOCATED ADJACENT TO THE 150-BY 50-FT BUILDING. DITCHING CONNECTS THIS BUILDING AND THE 2 SILOS. THE SILOS APPEAR TO BE NEARLY AT GROUND LEVEL AND BACKFILLING MAY HAVE STARTED.

PROPELLANT PRODUCTION PLANT -- IDENTIFICATION ONLY DUE TO HEAVY HAZE.

MAIN SUPPORT BASE -- NO SIGNIFICANT CHANGE

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(ATTACHMENT 1)

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[REDACTED] SVOBODNYI ICBM COMPLEX UR 5146N 12807E

COMPLEX IS COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY.

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NO SIGNIFICANT CHANGES AT THE COMPLEX SUPPORT FACILITY. RAIL-TO-ROAD TRANSFER POINT [REDACTED] COMMUNICATION SITE OR LAUNCH AREAS A (SITE 3), B (SITE 1), C (SITE 2), D (SITE 4), E (SITE 6), F (SITE 5), H (SITE 8), OR THE UNIDENTIFIED AREA BETWEEN LAUNCH AREAS E AND G. LAUNCH AREA G (SITE 7). A TYPE IIIA SITE, IS NOW COMPLETE.

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[REDACTED]  
NO ABM ACTIVITY NOTED WITHIN A 50-NM RADIUS OF THE COMPLEX.

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[REDACTED] DROVYANAYA ICBM COMPLEX UR 5132N 11301E  
COMPLEX IS CLOUD COVERED.

SEARCH OF CLOUD-FREE PORTIONS IN 50-NM RADIUS WEST

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OF COMPLEX REVEALED NO ABM ACTIVITY.

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VOZZHAYEVKA SUSPECT SSM AREA UR 5044N 12842E

NO SSM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF VOZZHAYEVKA.

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PIBANSHUR SUSPECT SSM AREA UR 5752N 05319E

NO SSM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF PIBANSHUR.

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SARANSK SUSPECT SSM AREA UR 5411N 04511E

NO SSM ACTIVITY VISIBLE IN WESTERN TWO-THIRDS OF 50-NM RADIUS SEARCH AREA. EASTERN ONE-THIRD NOT COVERED.

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KOVYLKINO SUSPECT SSM AREA UR 5402N 04356E

NO SSM ACTIVITY OBSERVED WITHIN 50-NM RADIUS SEARCH AREA.

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ALEYSK ICBM COMPLEX UR 5229N 08243E

THE COMPLEX SUPPORT FACILITY APPEARS RELATIVELY UNCHANGED. THE RAIL SPUR SERVING THE PROBABLE RAIL-TO-ROAD TRANSFER POINT APPEARS COMPLETE.

THE LOW SUN ANGLE PREVENTS AN ANALYSIS OF LAUNCH

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SITES A (SITE 1), B (SITE 2), C (SITE 3), D (SITE 4), E (SITE 5), AND F (SITE 6), HOWEVER, CONSIDERABLE TRACK ACTIVITY WITHIN ALL 6 LAUNCH SITES INDICATES CONSTRUCTION CONTINUES.

NO ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS OF THE COMPLEX. ONE-HALF OF THE WESTERN PART OF THE SEARCH AREA WAS NOT COVERED BY PHOTOGRAPHY.

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IMENI GASTELLO ICBM COMPLEX UR 5107N 06619E

ENTIRE COMPLEX IS COVERED BY POOR QUALITY STEREO PHOTOGRAPHY.

ALTHOUGH ALL SITES ARE IN A MID STAGE OF CONSTRUCTION, DETAILS CANNOT BE DISCERNED BECAUSE OF POOR IMAGE QUALITY. A SITE SUPPORT FACILITY CONSISTING OF 7 MEDIUM-SIZE BARRACKS-TYPE BUILDINGS AND ONE T-SHAPED BUILDING HAS BEEN ADDED SEVERAL HUNDRED FEET NE OF LAUNCH SITE C (SITE 3). THREE MEDIUM-SIZE BARRACKS-TYPE BUILDINGS HAVE BEEN ADDED TO THE SITE SUPPORT FACILITY AT LAUNCH AREA A (SITE 1). SITE SUPPORT FACILITY AT LAUNCH AREA B (SITE 2) NOW CONSISTS OF 6 COMPLETED MEDIUM-SIZE BARRACKS-TYPE BUILDINGS AND ONE T-SHAPED BUILDING. TWO MEDIUM SIZE BARRACKS-TYPE BUILDINGS HAVE BEEN ADDED TO THE SITE SUPPORT FACILITY AT LAUNCH AREA E (SITE 5). COMPLEX SUPPORT FACILITY NOW APPEARS TO CONTAIN ONE VERY LONG STORAGE-TYPE BUILDING, ONE LARGE E-SHAPED BUILDING, 2 MEDIUM-SIZE BUILDINGS, AND APPROXIMATELY 5 VERY SMALL STRUCTURES.

NO APPARENT CHANGE IN THE POSSIBLE RAIL-TO-ROAD TRANSFER POINT.

NO ABM ACTIVITY OBSERVED WITHIN 50-NM RADIUS OF COMPLEX.

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AKHTYRKA MRBM LAUNCH SITE 1 UR 5015N 03450E

NO HARDENED SSM ACTIVITY OF ANY KNOWN CONFIGURATION  
OBSERVED IN THE 25-NM RADIUS SEARCH AREA.  
SCATTERED CLOUDS PRECLUDE NEGATION OF SEARCH AREA.

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ROZHDESTVENKA MRBM LAUNCH SITE UR 4547N 13343E

IDENTIFICATION ONLY.

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NOVOSYSOYEVKA IRBM LAUNCH SITE 2 UR 4407N 13327E

NO APPARENT CHANGE  
NO EVIDENCE OF A COMMUNICATIONS OR ELECTRONIC  
FACILITY OBSERVED NEAR SITE.

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NOVOSYSOYEVKA IRBM LAUNCH SITE 3 UR 4407N 13325E

NO APPARENT CHANGE  
LAUNCH AREA REMAINS IN AN EARLY STAGE OF  
CONSTRUCTION WITH NO CONSTRUCTION ACTIVITY  
OBSERVED.

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SOVETSKAYA GAVAN MRBM LAUNCH FACILITY UR 4904N 14007E

NO APPARENT CHANGE  
ERECTORS ON THE PADS, OR TRACKAGE IN THE SNOW  
DISCERNIBLE.

NO

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BOLSHAYA KAMENKA IRBM LAUNCH SITE UR 5145N 04541E

25X1

NO APPARENT CHANGE IN FACILITIES

25X1

AT LAUNCH AREA.

25X1

THE LAUNCH AREA APPEARS TO BE ABANDONED. A RAIL LINE BRANCHING NORTH FROM THE MAIN RYAZANO-URALS KAYA RAILROAD AT TATISHCHEVO HAS BEEN EXTENDED AND TERMINATES IN A WOODED AREA. TWO SMALL RAIL SPURS AND 2 UNIDENTIFIED STRUCTURES ARE ALSO NEWLY-IDENTIFIED AT THE RAIL LINE TERMINUS WHICH IS LOCATED APPROXIMATELY 5.5 NM SW OF THE ABANDONED MRBM LAUNCH SITE.

25X1

25X1

25X1

TRAKTOVYY IRBM LAUNCH SITE UR 5325N 06223E

25X1

NO APPARENT CHANGE  
NO ACTIVITY DISCERNIBLE.

25X1

A DOUBLE FENCE SURROUNDS THE LAUNCH AREA.

25X1

KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR UR 4835N 04545E

25X1

SEVERAL AREAS OF THE TEST CENTER ARE VISIBLE ON SMALL-SCALE OBLIQUE PHOTOGRAPHY.

AN EXERCISE IS UNDERWAY AT LAUNCH AREA 1C (SITE 7) ON THE NORTHWESTERNMOST OF THE TWO RECENTLY-ADDED RAIL-SERVED PADS. A POSSIBLE MISSILE IS ERECTED IN THE CENTER OF THE PAD AND AT LEAST 6 VEHICLES/PIECES OF EQUIPMENT ARE POSITIONED ON THE PAD.

LAUNCH COMPLEX E (SITE 3) AND THE UNIDENTIFIED AREA NNE OF E ARE VISIBLE, BUT SCALE AND OBLIQUITY PRECLUDE FURTHER READOUT.

THE L-SHAPED INSTRUMENTATION PATTERN ENE OF VLADIMIROVKA AIRFIELD AND THE VERKHNIY BASKUNCHAK

2

TOP SECRET

25X1

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

25X1

INTERFEROMETER SITE SHOW NO APPARENT CHANGE

THE ELTON

25X1

INTERFEROMETER SITE SHOWS NO APPARENT CHANGE

25X1

LAUNCH COMPLEXES A AND B, THE TROOP TRAINING AREA,  
AND LAUNCH AREAS 2C (SITE 6), 3C (SITE 5), AND  
4C (SITE 4) -- IDENTIFICATION ONLY.

25X1

25X1

SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

25X1

THE TEST CENTER IS COVERED BY THREE PASSES OF  
FROM FAIR TO VERY GOOD PHOTOGRAPHY WITH  
INTERPRETATION LIMITED IN THE EASTERN SECTOR BY  
CLOUDS, HAZE, AND LIGHT SNOW. ALL FACILITIES  
ARE COVERED EXCEPT FOR LAUNCH COMPLEX B, THE HEN  
HOUSE AND HEN ROOST ANTENNAS, THE MAIN HOUSING  
COMPLEX, THE AIRFIELD AND LONG DIRT STRIP, AND  
INSTRUMENTATION SITES 1 AND 2.

THE ONLY COMPONENTS VISIBLE AT LAUNCH COMPLEX A (SITE  
2830) ARE SAM SITE C35-2 AND A SMALL SEGMENT OF THE  
SUPPORT AREA. CONSTRUCTION OF A FOURTH DUAL HEN  
HOUSE-TYPE STRUCTURE (AREA D) IS OBSERVED AT SITE 13  
JUST NNW OF AND PARALLEL  
TO THE THIRD DUAL HEN HOUSE-TYPE STRUCTURE (AREA C).  
THERE IS EVIDENCE OF INITIAL EXCAVATION FOR THE  
SOUTHERN LINEAR STRUCTURE.

25X1

THERE IS NO APPARENT CHANGE IN THE PROBABLE POWER  
SUBSTATION UNDER CONSTRUCTION WNW OF AREA D. A NEW  
LINEAR SCAR WHICH WAS NOT PRESENT  
IS OBSERVED TO THE WSW OF AREA D AND IS CONNECTED  
BY A GROUND SCAR TO THE PROBABLE POWER SUBSTATION.

25X1

25X1

BOTH ANTENNA STRUCTURES AND THE PROBABLE CENTRAL  
CONTROL BUILDING AT AREA A APPEAR COMPLETE EXTERNALLY.  
BOTH ANTENNA FACES ARE BLACK BUT THE ROOF PITCH  
OF THE TWO STRUCTURES DIFFERS. AT AREAS B AND C,  
CONSTRUCTION HAS PROGRESSED  
ROOFING REMAINS TO BE ACCOMPLISHED ON THE  
PROBABLE CENTRAL CONTROL BUILDING AT AREA B.

25X1

25X1

TOP SECRET

25X1

25X1

TOP SECRET

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25X1

25X1

ADDITIONAL FOOTINGS ARE NOTED AT THE NORTHERNMOST OF THE TWO LINEAR EXCAVATIONS AT AREA B AND THE SOUTHERN EXCAVATION HAS BEEN BACKFILLED. AT AREA C, CONSIDERABLE PROGRESS IS NOTED ON THE PROBABLE CENTRAL CONTROL BUILDING AND THE TWO TERMINAL BUILDINGS. FOOTINGS ARE OBSERVED IN BOTH EXCAVATIONS. STORAGE JUST WEST OF AREA A HAS INCREASED

25X1

THERE IS NO SIGNIFICANT CHANGE APPARENT AT THE BUILDING TRIAD. MANY OF THE GROUND SCARS AND TRENCHES OBSERVED AT THE SITE HAVE BEEN COVERED.

25X1

THE 110-FOOT DOMES AT INSTRUMENTATION SITES 3 AND 10 REMAIN DOWN. THE RINGLIKE STRUCTURE AND EQUIPMENT ARE STILL PRESENT. AT SITE 10, THE ROOF OF THE LARGE TRIAD BUILDING HAS BECOME ENTIRELY DARK SINCE LAST GOOD COVERAGE WHEN IT WAS HALF LIGHT, HALF GRAY. BOTH SMALL BUILDINGS REMAIN DARK. ROOF OBJECTS ARE DISCERNIBLE ON THE THREE BUILDINGS. THE 110-FOOT DOME HAS NOT BEEN REMOVED AT SITE 6. THREE AIRCRAFT ARE NOTED AT THE SITE AIRSTRIP.

25X1

EXTENSION OF THE INTERFEROMETER CROSSARMS AT INSTRUMENTATION SITE 12 APPEARS ALMOST COMPLETE. AT POSSIBLE INSTRUMENTATION SITE 15, THE UNUSUAL BUILDING REPORTED AS PARALLEL TO AN EXISTING UNUSUAL APPROXIMATELY 230-BY 100-FOOT BUILDING APPEARS TO BE OF SIMILAR SIZE AND CONFIGURATION EXCEPT THAT THE THREE RAISED SECTIONS OR EXTENSIONS HAVE NOT BEEN CONSTRUCTED AT THE NEW BUILDING.

25X1

AT BOTH THE POSSIBLE FIELD LAUNCH POINT AT 46-59-30N 070-10-00E AND AN UNIDENTIFIED FACILITY AT 47-12-40N 068-22-40E, FOUR SMALL CIRCULAR EXCAVATIONS IN A SQUARE PATTERN WITH A SMALL LOW STRUCTURE OR EXCAVATION IN THE CENTER, AND POSITIONED AROUND THE LARGE UNUSUAL BUILDING ARE NOW DISCERNIBLE.

LAUNCH SITES AT THE SAM TRAINING CENTER ARE UNOCCUPIED. NO CHANGE IS OBSERVED IN FACILITIES AT THE CENTER. THE NEW AIRSTRIP 20 NM SSW OF THE LONG DIRT STRIP IS IDENTIFICATION ONLY.

25X1

NO CHANGE IS APPARENT AT INSTRUMENTATION SITES 4, 5,

2

TOP SECRET

25X1

25X1

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

25X1

AND 9 [REDACTED] AT INSTRUMENTATION  
SITES 7 AND 8 [REDACTED] OR AT  
POSSIBLE INSTRUMENTATION SITE 14 [REDACTED]  
[REDACTED] INSTRUMENTATION SITE 11 IS IDENTIFICATION  
ONLY.

25X1

25X1

25X1

(ATTACHMENT 2)

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON

25X1

25X1

[REDACTED] SHUANG-CHENG-TZU MISSILE TEST CENTER CH 4107N 10020E

THE SHUANG-CHENG-TZU MISSILE TEST CENTER IS COVERED  
BY CLEAR PHOTOGRAPHY EXCEPT FOR SHUANG-CHENG-TZU  
AIRFIELD, THE L INSTRUMENTATION PATTERN, AND THE  
TERMINUS OF THE RAIL LINE INTO THE DESERT WHICH ARE  
CLOUD-COVERED.

25X1

NO APPARENT CHANGE IN FACILITIES [REDACTED]  
[REDACTED]

25X1

25X1

TOP SECRET

25X1

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

THE ONLY ACTIVITY OBSERVED IS AT SAM LAUNCH SITE A WHERE AN UNDETERMINED NUMBER OF VEHICLES/PIECES OF EQUIPMENT ARE IN THE CENTRAL GUIDANCE AREA AND THE HOLD REVETMENT.

COAL PILES ARE IN EVIDENCE AT THE THERMAL ELECTRIC POWER PLANT AND ADJACENT TO THE HEAT PLANTS IN THE MAIN SUPPORT BASE.

SAM LAUNCH COMPLEX

25X1

25X1

PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN CH 3950N 11608E

25X1

NO SIGNIFICANT CHANGE

THE CONSTRUCTION ACTIVITY AT THE NORTH END OF THE TEST AREA CONTINUES BUT THE FUNCTION OF THE NEW STRUCTURES CANNOT BE DETERMINED. NO EVIDENCE OF OPERATIONAL ACTIVITY OBSERVED. THE FUNCTION OF THE FACILITIES IN THE SECURED AREA 2 NM SSE CANNOT BE DETERMINED.

25X1

25X1

SARATOV AIRFRAME PLANT 292 UR 5130N 04557E

NO APPARENT CHANGE

NO NEW CONSTRUCTION ACTIVITY NOTED.

SARATOV SOUTH AIRFIELD -- IDENTIFICATION ONLY.

AIRCRAFT -- NONE OBSERVED.

25X1

25X1

BIYSK, STATIC TEST FACILITY UR 5229N 08507E

NO CONSTRUCTION ACTIVITY NOTED

25X1

25X1

TOP SECRET

25X1



TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

25X1

25X1

ISFARA SUSPECT SOLID PROPELLANT FACILITY UR 4007N 07034E  
NO APPARENT CHANGE  
EXCEPT FOR THE CONSTRUCTION OF WASTE DISPOSAL PANS  
ON THE EAST SIDE OF THE PRODUCTION AREA AND POSSIBLE  
PIPELINE SCARS ON THE WEST SIDE.

25X1

25X1

CAP ROSA, SUSPECT SSM SEARCH AG 3657N 00814E

NO SSM/SAM ACTIVITY OF ANY KNOWN CONFIGURATION  
OBSERVED. SCATTERED CLOUDS PRECLUDE A NEGATION OF  
SEARCH AREA.

25X1

KRASNAYA GORBATKA SUSPECT SSM AREA UR 5553N 04146E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF  
50-NM RADIUS SEARCH AREA.

SEARCH AREA APPROXIMATELY 95 PERCENT CLOUD COVERED.

25X1

CHEBARKUL SUSPECT SSM AREA UR 5458N 06025E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS  
OF 50-NM RADIUS SEARCH AREA.  
THE NE HALF OF SEARCH AREA IS CLOUD COVERED.

25X1

KUZNETSK SUSPECT SSM AREA UR 5307N 04636E

NO SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS  
WITHIN WESTERN 50 PERCENT OF 50-NM RADIUS SEARCH  
AREA. EASTERN 50 PERCENT NOT COVERED.

25X1

TOP SECRET

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

25X1

25X1

25X1

RUBTSOVSK SUSPECT SSM AREA UR 5130N 08115E

NO SSM-RELATED ACTIVITY OBSERVED WITHIN 50-NM  
RADIUS OF THE RUBTSOVSK SUSPECT SSM AREA. ONLY  
THE EASTERN HALF OF THE AREA WAS COVERED BY  
PHOTOGRAPHY AND IT WAS 75 PERCENT CLOUD COVERED.

25X1

25X1

SEVERODVINSK NAVAL BASE AND SHIPYARD 402 UR 6434N 03949E

IDENTIFICATION ONLY.

25X1

25X1

KOMSOMOLSK SHIPYARD AMUR 199 UR 5033N 13702E

NO SUBMARINES OR TRANSPORTER DOCKS VISIBLE IN  
CLOUD-FREE PORTIONS OF SHIPYARD OR FITTING OUT AREAS.

AMUR RIVER IS COVERED BY ICE WITH NUMEROUS STRAIN  
CRACKS VISIBLE IN MID-CHANNEL.

25X1

25X1

PETROPAVLOVSK-KAMCHATSKIY NV B TARYA BAY UR 5255N 15830E

PETROPAVLOVSK NAVAL BASES AT TARYA BAY AND  
SELDEVAYA BAY ARE COVERED BY GOOD QUALITY STEREO  
PHOTOGRAPHY, HOWEVER, LOW SUN ANGLE  
LIMITS INTERPRETATION OF VESSELS.

VESSELS AT PETROPAVLOVSK NAVAL BASE -- 3 UNIDENTIFIED  
SS, 11 POSSIBLE SS, ONE POSSIBLE DON-CLASS ASL,  
ONE BOLVA-CLASS APL, ONE UNIDENTIFIED AUXILIARY,  
ONE POSSIBLE NEVA-CLASS AS, ONE OCCUPIED TRANSPORTER  
DOCK, AND 2 UNIDENTIFIED VESSELS.

VESSELS AT SELDEVAYA BAY -- ONE OCCUPIED TRANSPORTER

TOP SECRET

25X1

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

25X1

DOCK, ONE FLOATING DRYDOCK, 2 UNIDENTIFIED  
VESSELS. CONSTRUCTION CONTINUES ON FACILITIES.

NO SUBMARINES OBSERVED AT SHIPYARD 412.

25X1

25X1

PETROPAVLOVSK-KAMCHATSKIY NAVAL MSL STOR UR 5256N 15823E

VESSELS -- 4 SIBIR-CLASS AGM OBSERVED AT NAVAL  
MISSILE SUPPORT FACILITY. CHANGES OBSERVED AT  
NAVAL MISSILE STORAGE OR SUPPORT FACILITY INCLUDE  
2 NEW SMALL EARTH-COVERED STRUCTURES OFF THE ROAD  
BYPASSING STORAGE AND CHECKOUT AREA.

NO APPARENT CHANGE IN REMAINING FACILITIES

25X1

25X1

25X1

VLADIMIR SUBMARINE BASE UR 4355N 13528E

VESSELS -- ONE PROBABLE F/Z-CLASS SS AND 4 PROBABLE  
W-CLASS SS.

NO NEW CONSTRUCTION OBSERVED.

NO NEW SUBMARINE BASES OBSERVED WITHIN LIMITS  
OF COVERAGE.

25X1

25X1

VLADIVOSTOK NAVAL BASE AND SHIPYARD 202 UR 4306N 13156E

HEAVY CLOUDS, HAZE AND DARKNESS LIMIT INTERPRETATION.

VESSELS -- ONE CL, 7 DD, ONE DE IN NOVIK BAY,  
3 POSSIBLE DE IN BUKHTA PARIS, AT LEAST 10 MERCHANT  
VESSELS AT ENTRANCE TO GOLDEN HORN BAY.

NO CONSTRUCTION CONVERSION OR FITTING OUT OF GUIDED  
MISSILE VESSELS OBSERVED.

TOP SECRET

2

25X1

25X1

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

25X1

NO NEW NAVAL GUIDED-MISSILE STORAGE, SUBMARINE BASES,  
OBSERVED IN VISIBLE AREAS WITHIN  
50-NM RADIUS.

25X1

PETROVKA SHIPYARD UR 4307N 13220E

VESSELS -- 4 UNIDENTIFIED VESSELS AND 2 FLOATING  
DRYDOCKS VISIBLE THROUGH SCATTERED CLOUDS.

25X1

NO APPARENT CHANGE IN FACILITIES  
IN VISIBLE AREAS.

25X1

NO NEW SUBMARINE BASES OBSERVED IN CLEAR PORTIONS  
WITHIN 50-NM RADIUS SEARCH AREA.

25X1

25X1

STRELOK STRAIT NAVAL BASE PAVLOVSKOGO UR 4252N 13232E

25X1

VESSELS -- ONE UNIDENTIFIED SS (MOORED WHERE L-CLASS  
SS WAS 3 UNIDENTIFIED POSSIBLE SS AND  
2 AUXILIARY.

NO APPARENT CHANGE AT NAVAL MISSILE STORAGE  
FACILITY

25X1

25X1

25X1

BUKHTA ABREK NAVAL MISSILE SUPPORT FAC UR 4255N 13225E

NAVAL VESSELS -- ONE CL, 2 DDG, 2 DD AND 4 DE.

25X1

THREE SMALL BUILDINGS HAVE BEEN COMPLETED

25X1

CONSTRUCTION ACTIVITY EVIDENT AT BASE OF CLIFF.

25X1

TOP SECRET

25X1

25X1

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

25X1

DUNAY PROBABLE NAVAL MISSILE STORAGE UR 4256N 13220E

VESSELS IN BUKHTA RAZBOYNIK -- ONE UNIDENTIFIED  
SUBMARINE, ONE AUXILIARY, AND 3 UNIDENTIFIED SURFACE  
VESSELS.

25X1

25X1

25X1

SOVETSKAYA GAVAN NVL BASE &amp; SHIPYARD 263 UR 4858N 14017E

VESSELS -- ONE CL, 6 DD, 4 DE AND SEVERAL SMALLER  
CRAFT IN VICINITY OF TORPEDO DEPOT.  
SHIPYARD NOT COVERED.

25X1

25X1

SOVETSKAYA GAVAN SUBMARINE BASE UR 4902N 14016E

NO APPARENT CHANGE IN FACILITIES

25X1

VESSELS -- ONE SUBMARINE AND ONE POSSIBLE SUBMARINE.

25X1

25X1

MOSCOW SUSPECT ABM AREA UR 5545N 03737E

ONLY EASTERN QUARTER OF SEARCH AREA COVERED  
BY PHOTOGRAPHY.

NO NEW SARY-SHAGAN OR LENINGRAD-TYPE ELECTRONIC  
FACILITIES  
OBSERVED IN CLOUD-FREE AREAS.

25X1

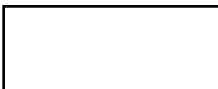
NO APPARENT CHANGE  
IN SAM SITES E10-1 OR E12-1 (THE ONLY SITES OBSERVED

25X1

TOP SECRET

25X1

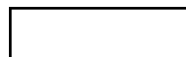
25X1



TOP SECRET



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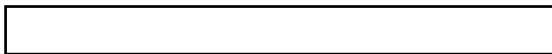
NPIC/R-5060/64

25X1

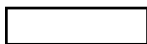
25X1

ON THIS COVERAGE).

25X1



25X1



ANGARSK AREA, SUSPECT AMM ACTIVITY UR 5253N 10315E

IDENTIFICATION ONLY.

25X1



TOP SECRET



25X1

**Air  
Facilities**

25X1

TOP SECRET

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25X1

25X1

AIR FACILITIES

25X1

ENGELS AIRFIELD UR 5129N 04611E

NO APPARENT CHANGE

25X1

AIRCRAFT -- 35 BISON, ONE MEDIUM STRAIGHT-WING AND 2 LIGHT STRAIGHT-WING ON MAIN PARKING APRON, ONE PROBABLE BADGER, ONE MEDIUM STRAIGHT-WING AND ONE LIGHT STRAIGHT-WING ON EAST PARKING APRON, AND AT LEAST 13 SMALL UNIDENTIFIED AIRCRAFT ON WEST PARKING APRON.

25X1

25X1

UKRAINA AIRFIELD UR 5110N 12826E

AIRCRAFT -- 16 BISON/BEAR ON EAST LOADING STANDS, 14 BISON/BEAR ON SE PARKING RAMP, 11 BISON/BEAR ON HARDSTANDS WEST OF LOOP TAXIWAY, ONE BISON/BEAR ON NW HARDSTAND, 3 MEDIUM PROBABLE STRAIGHT-WING AIRCRAFT ALONG WEST LOOP TAXIWAY.

NO NEW FACILITIES OBSERVED.

25X1

25X1

SPASSK-DALNIY AIRFIELD EAST UR 4437N 13253E

AIRCRAFT -- 21 BADGER, 3 PROBABLE BADGER, 4 MEDIUM STRAIGHT-WING, AND 12 SMALL SWEEP-WING FIGHTERS.

25X1

25X1

BELAYA AIRFIELD UR 5254N 10335E

IDENTIFICATION ONLY.

25X1

32

TOP SECRET

25X1



25X1

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

BYKHOV AIRFIELD UR 5331N 03012E

NO APPARENT CHANGE

AIRCRAFT -- 37 POSSIBLE BADGER.

25X1

POLTAVA AIRFIELD UR 4937N 03430E

NO APPARENT CHANGE IN FACILITIES

AIRCRAFT -- 61 BADGER, ONE BULL AND 2 PROBABLE  
LIGHT STRAIGHT-WING.

25X1

25X1

ANISOVO GORODISHCHE AIRFIELD UR 5414N 03422E

IDENTIFICATION ONLY.

ANADYR/LENINKA AIRFIELD UR 6442N 17742E

NO APPARENT CHANGE

AIRCRAFT -- 3 POSSIBLE MEDIUM AIRCRAFT.

25X1

ALEKSEYEVKA AIRFIELD UR 4915N 14014E

NO APPARENT CHANGE

AIRCRAFT -- 4 PROBABLE BADGER ON NW END OF ALERT  
APRON, 4 PROBABLE BADGER ON CROSSOVER ALERT APRON,  
4 PROBABLE BADGER ON CROSSOVER HARDSTANDS, 31 PROBABLE  
BADGER AND ONE POSSIBLE BADGER ON LOOP TAXIWAY  
HARDSTANDS.

25X1

TOP SECRET

25X1

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

25X1

25X1

25X1

USSURIYSK/VOZDVIKHENKA AIRFIELD UR 4355N 13156E

NO APPARENT CHANGE

25X1

AIRCRAFT -- 25 MEDIUM SWEEP-WING.

25X1

KHOROL AIRFIELD EAST UR 4427N 13208E

RUNWAY SNOW COVERED. CONSTRUCTION STATUS CANNOT BE DETERMINED.

25X1

AIRCRAFT --  
SWEEP-WING.

44 PROBABLE MEDIUM

AIRCRAFT --  
SWEEP-WING.

46 PROBABLE MEDIUM

25X1

ARTEM AIRFIELD NORTH UR 4323N 13209E

NO APPARENT CHANGE

25X1

AIRCRAFT -- 27 BADGER AND ONE MEDIUM STRAIGHT-WING  
ON HARDSTANDS AND PARKING APRONS ALONG SOUTH  
SIDE OF RUNWAY, 2 BADGER IN MAINTENANCE AREA,  
ONE BADGER AND 2 MEDIUM STRAIGHT-WING ARE PARKED  
AT OLD AIRFIELD SITE.

25X1

IRKUTSK AIRFIELD NORTHWEST UR 5222N 10411E

IDENTIFICATION ONLY.

25X1

TOP SECRET

25X1

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

25X1

25X1

25X1

IRKUTSK AIRFRAME PLANT UR 5221N 10412E

IDENTIFICATION ONLY.

CHING-TAO SEAPLANE STATION CH 3603N 12017E

IDENTIFICATION ONLY.

25X1

BONUS TASHKENT A/C ASSEMBLY PLT CHKALOV 84 B UR 4118N 06918E

25X1

A NEW APPROXIMATELY 500 BY 400 FOOT ASSEMBLY BUILDING HAS BEEN CONSTRUCTED SINCE THIS PLANT WAS OBSERVED. CONSTRUCTION IS CONTINUING ON THE EAST END OF THE BUILDING. A SECOND LARGE BUILDING IS PARTIALLY COMPLETE AND SCARS INDICATE THAT IT WILL PROBABLY NOW BE DOUBLED IN SIZE. GROUND SCARS INDICATE THAT FOUNDATIONS ARE BEING CONSTRUCTED FOR A THIRD LARGE BUILDING IN THE AREA EAST OF THE NEW ASSEMBLY BUILDING. THESE BUILDINGS ARE BEING CONSTRUCTED OVER THE JUNCTION OF THE OLD RUNWAY AND TAXIWAY AT THE SOUTHWEST END OF TASHKENT AIRFIELD. THE NEW FLY-AWAY FIELD NOW APPEARS TO BE COMPLETE.

AIRCRAFT OBSERVED AT PLANT  
13 UNIDENTIFIED AIRCRAFT.

9 CAMP/CUB, 3 CAB, ONE CRATE AND ONE MEDIUM STRAIGHT-WING.

AIRCRAFT OBSERVED AT FLY-AWAY  
9 UNIDENTIFIED AIRCRAFT.

7 CAMP/CUB, ONE CRATE AND 4 SMALL UNIDENTIFIED STRAIGHT-WING.

(ATTACHMENT 3)

25X1

25X1

25X1

25X1

TOP SECRET

Next 9 Page(s) In Document Exempt

**Naval  
Activity/  
Ports**

25X1

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

NAVAL ACTIVITY/PORTS

25X1

[REDACTED] HSIA-MEN NAVAL BASE &amp; PORT FACILITIES CH 2427N 11805E

ENTIRE AREA COVERED BY GOOD QUALITY STEREO  
PHOTOGRAPHY.

FACILITIES CONSIST OF NUMEROUS PIERS AND QUAYED AREAS.

25X1

[REDACTED]

VESSELS -- 4 POSSIBLE PC AND NUMEROUS JUNKS.

25X1

25X1

[REDACTED] HAI-TAN TAO NAVAL BASE CH 2530N 11943E

FACILITIES INCLUDE ONE WHARF AND 4 BUILDINGS.  
NO CONSTRUCTION ACTIVITY OBSERVED.

VESSELS -- 3 SMALL UNIDENTIFIED VESSELS.

25X1

25X1

[REDACTED] TA-HSIEH TAO NAVAL BASE CH 2953N 12157E

INSTALLATION CONTAINS 2 T-SHAPED PIERS, 2 L-SHAPED  
PIERS, 5 REGULAR PIERS, 35 BUILDINGS AND 4 POL  
TANKS.

VESSELS -- ONE UNIDENTIFIED SMALL CRAFT.

25X1

25X1

[REDACTED] LU-SHUN-KOU SUBMARINE BASE CH 3847N 12114E

NO APPARENT CHANGE IN FACILITIES [REDACTED]

25X1

[REDACTED]

VESSELS -- 3 PROBABLE SS, 3 PROBABLE W-CLASS SS  
AND NUMEROUS SMALL CRAFT.

25X1

TOP SECRET

25X1

TOP SECRET

MISSION 1014-1, 18-23 NOVEMBER 1964

NPIC/R-5060/64

25X1

25X1

25X1

25X1

25X1

25X1

25X1

TA-KU NAVAL FACILITY CH 3900N 11740E

NO APPARENT CHANGE IN FACILITIES

VESSELS -- 7 MERCHANT VESSELS, ONE UNIDENTIFIED  
VESSEL IN GRAVING DOCK AND 13 SMALL UNIDENTIFIED  
VESSELS.

25X1

25X1

CHING-TAO NAVAL DOCKYARD CH 3604N 12019E

IDENTIFICATION ONLY.

25X1

25X1

CHING-TAO SUBMARINE BASE CH 3604N 12019E

25X1

NO APPARENT CHANGE IN FACILITIES

VESSELS -- ONE DD, 6 PROBABLE W-CLASS SS, 3 MERCHANT  
VESSELS, AND NUMEROUS UNIDENTIFIED SMALL VESSELS.

25X1

25X1

WEI-HAI NAVAL BASE CH 3730N 12210E

25X1

NO APPARENT CHANGE IN FACILITIES

VESSELS -- 4 SMALL CRAFT.

25X1

25X1

CHOU-SHAN NAVAL BASE AND SHIPYARD CH 3000N 12206E

NO APPARENT CHANGE IN FACILITIES

25X1

25X1

25X1

TOP SECRET

TOP SECRET

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25X1

25X1

25X1

VESSELS -- ONE DD, 4 PROBABLE PF AND NUMEROUS SMALL CRAFT.

25X1

NAKHODKA SUBMARINE BASE UR 4248N 13254E

25X1

VESSELS -- NO SUBMARINES OR OTHER MAJOR NAVAL VESSELS OBSERVED. APPROXIMATELY 50 MERCHANT VESSELS IN HARBOR AREA.

NO APPARENT CHANGE IN FACILITIES

25X1

25X1

25X1

MA-WEI NAVAL BASE AND SHIPYARD CH 2559N 11926E

25X1

HAZE PRECLUDES DETAILED INTERPRETATION OF FACILITIES.

VESSELS -- NONE OBSERVED.

25X1

SAN-TU-AO NAVAL BASE CH 2638N 11939E

25X1

ENTIRE BASE COVERED BY GOOD QUALITY STEREO PHOTOGRAPHY.

NO APPARENT CHANGE IN FACILITIES

25X1

25X1

VESSELS -- 4 SMALL UNIDENTIFIED VESSELS ON WAYS IN REPAIR YARD.

TOP SECRET

25X1



TOP SECRET

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25X1

25X1

25X1

25X1

25X1

BUKHTA SARANNAYA SUSPECT SUB DISP BASE UR 5245N 15832E

SARANNAYA BAY, BECHEVINSKAYA BAY AND MORZHOVAYA  
BAY ARE COVERED BUT LOW SUN ANGLE PRECLUDES DETAILED  
INTERPRETATION.

VESSELS -- NONE OBSERVED.

25X1

25X1

LU-TA SHIPYARD CH 3855N 12138E

NO APPARENT CHANGE IN FACILITIES

25X1

VESSELS -- 2 DD, ONE PROBABLE SS, ONE PROBABLE  
W-CLASS SS, 15 MERCHANT VESSELS AND NUMEROUS  
SMALL CRAFT.

25X1

25X1

NING-PO PORT FACILITIES CH 2953N 12133E

NO APPARENT CHANGE IN FACILITIES

25X1

VESSELS -- ONE SMALL PROBABLE TANKER, NUMEROUS  
RIVER CRAFT.

25X1

25X1

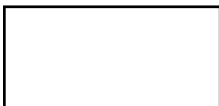
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25X1

TOP SECRET

**Electronics/  
Communications**

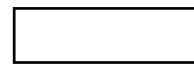
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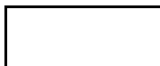
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25X1

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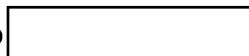
ELECTRONICS/COMMUNICATIONS

25X1



ARKHANGELSK AREA HF COMMO FACILITIES UR 6418N 04038E

RHOMBIC FARM CAN BE IDENTIFIED



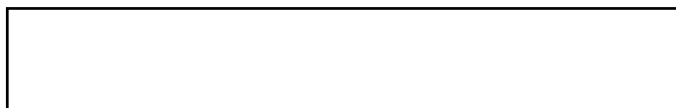
25X1

FISHBONE FARM NOT OBSERVED DUE TO SEMI-DARKNESS.

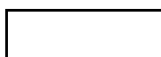
NO OTHER COMMUNICATIONS FACILITIES OBSERVED  
WITHIN SEARCH AREA.

POOR IMAGE QUALITY AND SEMI-DARKNESS PRECLUDE  
DETAILED INTERPRETATION.

25X1

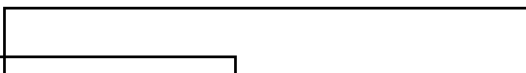


25X1



ELTON, ELECTRONIC FACILITY UR 4915N 04648E

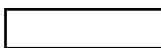
NO APPARENT CHANGE



25X1



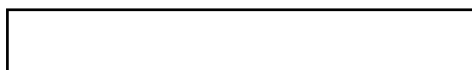
25X1



MING-SHUI POSS MISSILE TRACKING STATION CH 4155N 09620E

NO MISSILE TRACKING STATION OBSERVED.

25X1



TOP SECRET

4



25X1

**Other  
Activity**

25X2

## **Index**

25X1

TOP SECRET

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25X1

25X1

INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST BY TARGET  
NUMBER OF ALL COMOR TARGETS OBSERVED DURING THE SCAN  
OF MISSION 1014-1.

COMOR

INSTALLATION NAME

CTY COORDINATES OAK

PLESETSK ICBM COMPLEX	UR 6256N 04039E	I
YURYA ICBM COMPLEX	UR 5903N 04919E	I
TYURATAM MISSILE TEST CENTER	UR 4550N 06318E	I
SVOBODNYI ICBM COMPLEX	UR 5146N 12807E	I
DROVYANAYA ICBM COMPLEX	UR 5132N 11301E	I
VOZZHAYEVKA SUSPECT SSM AREA	UR 5044N 12842E	I
PIBANSUR SUSPECT SSM AREA	UR 5752N 05319E	I
SARANSK SUSPECT SSM AREA	UR 5411N 04511E	I
KOVYALKINO SUSPECT SSM AREA	UR 5402N 04356E	I
ALEYSK ICBM COMPLEX	UR 5229N 08243E	I
IMENI GASTELLO ICBM COMPLEX	UR 5107N 06619E	I
AKHTYRKA MRBM LAUNCH SITE 1	UR 5015N 03450E	I
ROZHDESTVENKA MRBM LAUNCH SITE	UR 4547N 13343E	I
NOVOSYSOYEVKA IRBM LAUNCH SITE 2	UR 4407N 13327E	I
NOVOSYSOYEVKA IRBM LAUNCH SITE 3	UR 4407N 13325E	I
SOVETSKAYA GAVAN MRBM LAUNCH FACILITY	UR 4904N 14007E	I
BOLSHAYA KAMENKA IRBM LAUNCH SITE	UR 5145N 04541E	I
TRAKTOVYY IRBM LAUNCH SITE	UR 5325N 06223E	I
KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR 4835N 04545E	I
SARY-SHAGAN ANTIMISSILE TEST CENTER	UR 4602N 07334E	I
SHUANG-CHENG-TZU MISSILE TEST CENTER	CH 4107N 10020E	I
PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN	CH 3950N 11608E	I
SARATOV AIRFRAME PLANT 292	UR 5130N 04557E	I
BIYSK STATIC TEST FACILITY	UR 5229N 08507E	I
ISFARA SUSPECT SOLID PROPELLANT FACILITY	UR 4007N 07034E	I
CAP ROSA SUSPECT SSM SEARCH	AG 3657N 00814E	I
KRASNAYA GORBATKA SUSPECT SSM AREA	UR 5553N 04146E	I
CHEBARKUL SUSPECT SSM AREA	UR 5458N 06025E	I
KUZNETSK SUSPECT SSM AREA	UR 5307N 04636E	I
RUBTSOVSK SUSPECT SSM AREA	UR 5130N 08115E	I
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR 6434N 03949E	I
KOMSOMOLSK SHIPYARD AMUR 199	UR 5033N 13702E	I
PETROPAVLOVSK-KAMCHATSKIY NV B TARYA BAY	UR 5255N 15830E	I
PETROPAVLOVSK-KAMCHATSKIY NAVAL MSL STOR	UR 5256N 15823E	I
VLADIMIR SUBMARINE BASE	UR 4355N 13528E	I
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202	UR 4306N 13156E	I
PETROVKA SHIPYARD	UR 4307N 13220E	I

25X1

25X1

TOP SECRET

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TOP SECRET

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25X1

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25X1

STRELOK STRAIT NAVAL BASE PAVLOVSKOGO	UR	4252N	13232E	I
BUKHTA ABREK NAVAL MISSILE SUPPORT FAC	UR	4255N	13225E	I
DUNAY PROBABLE NAVAL MISSILE STORAGE	UR	4256N	13220E	I
SOVETSKAYA GAVAN NVL BASE & SHIPYARD 263	UR	4858N	14017E	I
SOVETSKAYA GAVAN SUBMARINE BASE	UR	4902N	14016E	I
MOSCOW SUSPECT ABM AREA	UR	5545N	03737E	I
ANGARSK AREA SUSPECT AMM ACTIVITY	UR	5253N	10315E	I
ENGELS AIRFIELD	UR	5129N	04611E	I
UKRAINA AIRFIELD	UR	5110N	12826E	I
SPASSK-DALNIY AIRFIELD EAST	UR	4437N	13253E	I
BELAYA AIRFIELD	UR	5254N	10335E	I
BYKHOV AIRFIELD	UR	5331N	03012E	I
POLTAVA AIRFIELD	UR	4937N	03430E	I
ANISOVO GORODISHCHE AIRFIELD	UR	5414N	03422E	I
ANADYR/LENINKA AIRFIELD	UR	6442N	17742E	I
ALEKSEYEVKA AIRFIELD	UR	4915N	14014E	I
USSURIYSK/VOZDVIZHENKA AIRFIELD	UR	4355N	13156E	I
KHOROL AIRFIELD EAST	UR	4427N	13208E	I
ARTEM AIRFIELD NORTH	UR	4323N	13209E	I
IRKUTSK AIRFIELD NORTHWEST	UR	5222N	10411E	I
IRKUTSK AIRFRAME PLANT	UR	5221N	10412E	I
CHING-TAO SEAPLANE STATION	CH	3603N	12017E	I

25X2

HSIA-MEN NAVAL BASE & PORT FACILITIES	CH	2427N	11805E	I
HAI-TAN TAO NAVAL BASE	CH	2530N	11943E	I
TA-HSIEH TAO NAVAL BASE	CH	2953N	12157E	I
LU-SHUN-KOU SUBMARINE BASE	CH	3847N	12114E	I
TA-KU NAVAL FACILITY	CH	3900N	11740E	I
CHING-TAO NAVAL DOCKYARD	CH	3604N	12019E	I
CHING-TAO SUBMARINE BASE	CH	3604N	12019E	I
WEI-HAI NAVAL BASE	CH	3730N	12210E	I
CHOU-SHAN NAVAL BASE AND SHIPYARD	CH	3000N	12206E	I
NAKHODKA SUBMARINE BASE	UR	4248N	13254E	I
MA-WEI NAVAL BASE AND SHIPYARD	CH	2559N	11926E	I
SAN-TU-AO NAVAL BASE	CH	2638N	11939E	I
BUKHTA SARANNAYA SUSPECT SUB DISP BASE	UR	5245N	15832E	I
LU-TA SHIPYARD	CH	3855N	12138E	I
NING-PO PORT FACILITIES	CH	2953N	12133E	I
ARKHANGELSK AREA HF COMMO FACILITIES	UR	6418N	04038E	I
ELTON ELECTRONIC FACILITY	UR	4915N	04648E	I
MING-SHUI POSS MISSILE TRACKING STATION	CH	4155N	09620E	I

25X2

TOP SECRET

25X1



## **Attachments**

25X1

TOP SECRET

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25X1  
25X1

NPIC/R-5060/64  
ATTACHMENT 1



LAUNCH COMPLEX E, TYURATAM MISSILE TEST CENTER, USSR

NPIC J-5893 (11/64)

25X1

TOP SECRET

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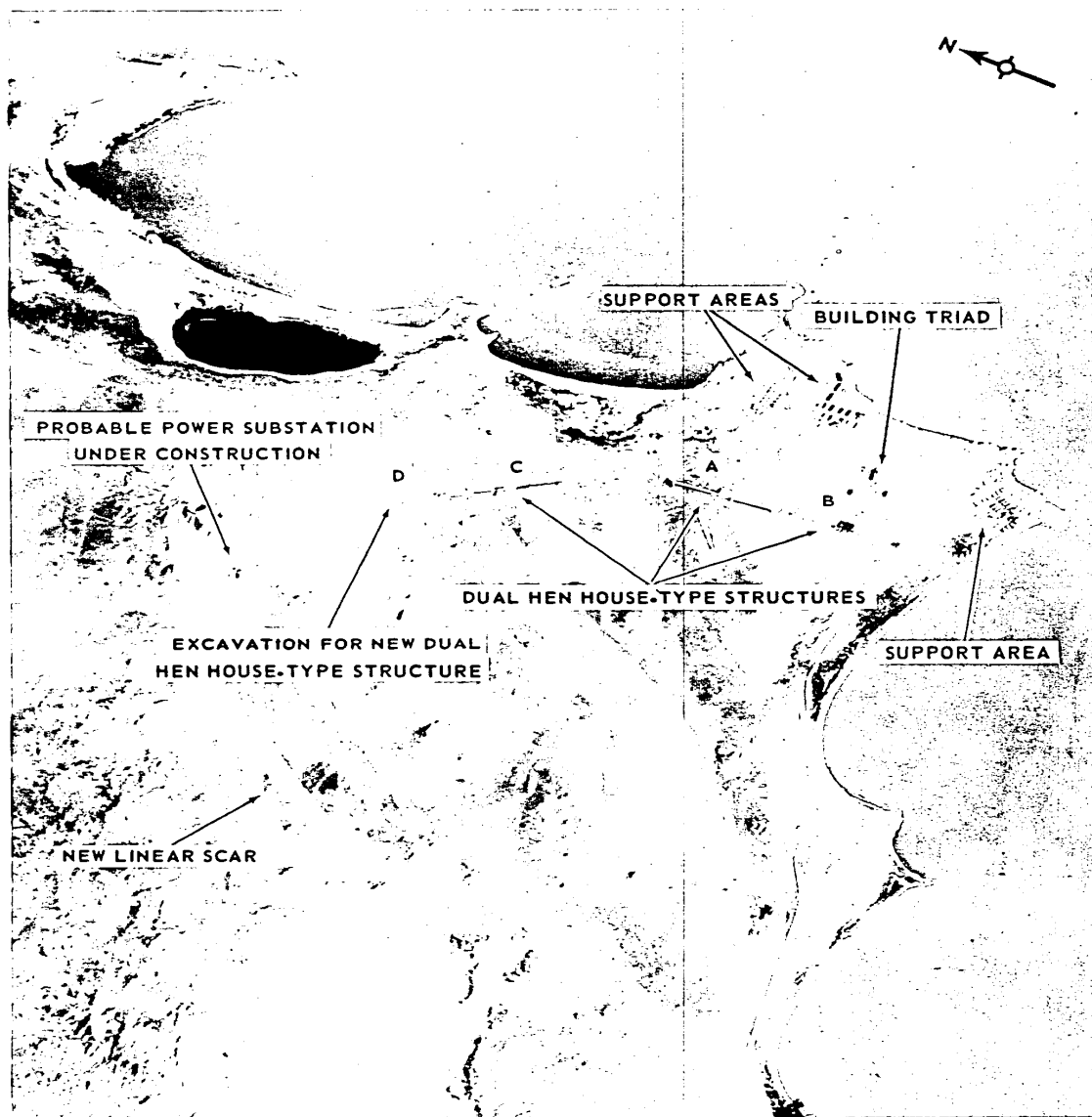
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25X1

25X1

NPIC/R-5060/64

ATTACHMENT 2



SITE 13, SARY-SHAGAN ANTIMISSILE TEST CENTER, USSR

NPIC J-5834 (11/64)

TOP SECRET

25X1

25X1

TOP SECRET

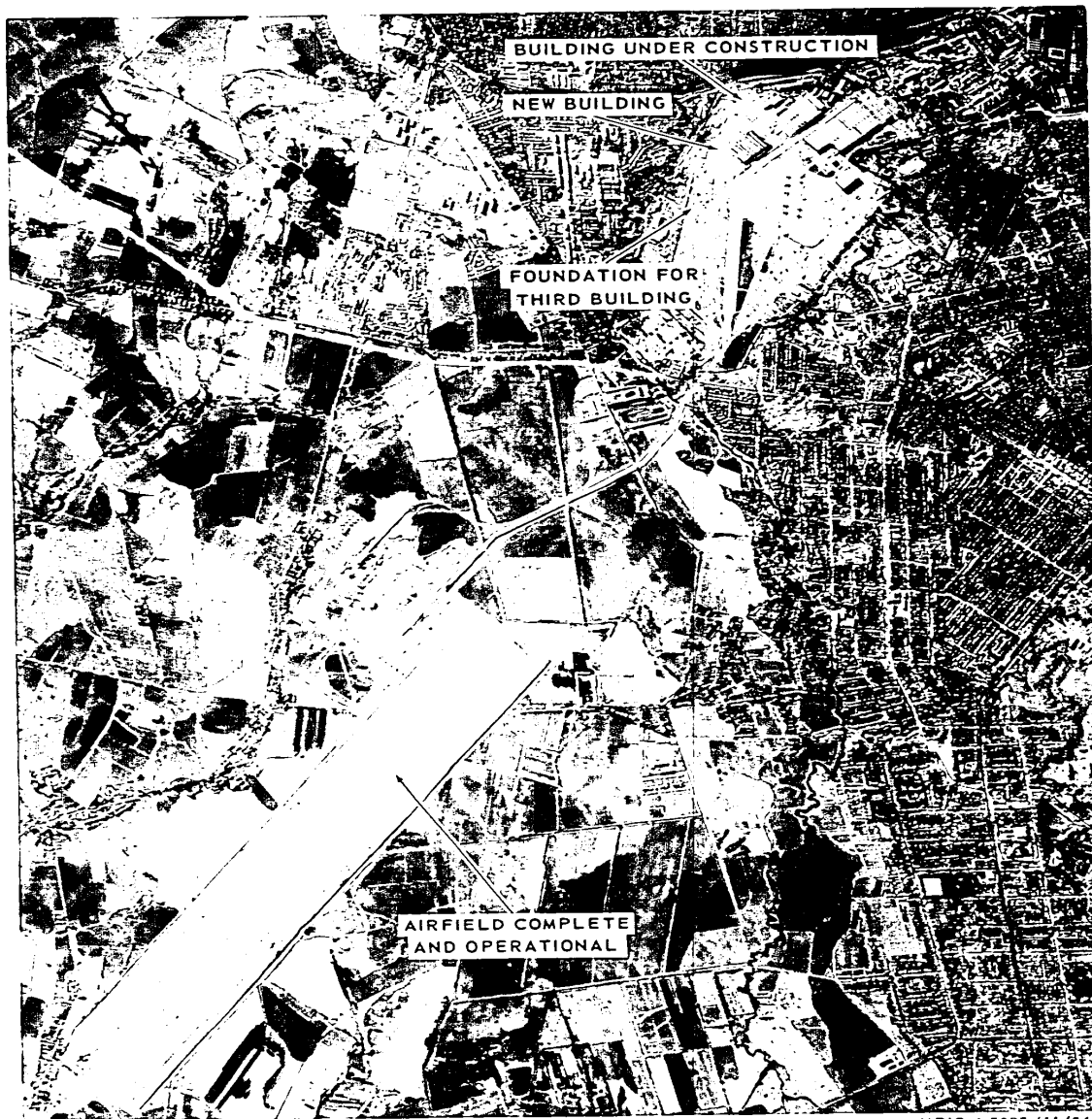
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NPIC/R-5060/64

ATTACHMENT 3



AIRCRAFT ASSEMBLY PLANT CHKALOV 84-B, TASHKENT, USSR

NPIC J-5835 (11/64)

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25X1

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25X2

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